

What Is Claimed Is:

SubA27 ~~1. An element for use in a motor vehicle, comprising:
an anti-adhesive surface coating acting as a
protective layer.~~

~~2. The element according to Claim 1, wherein the element is
a sensor element.~~

~~3. The element according to Claim 1, wherein the element is
an actuator element.~~

Sub F17 ~~4. The element according to Claim 1, wherein the coating is
temperature-stable up to at least 200°C.~~

~~5. The element according to Claim 1, wherein the coating
has a surface energy of 5 to 50 mN/m.~~

SubA37 F1 ~~6. The element according to Claim 1, wherein the coating
reduces an accumulation, on a surface of the element, of at
least one of: dirty water, mineral oil, spray water, silicon
oil, soot, salts, hydrocarbons, and dust particles.~~

~~7. The element according to Claim 1, wherein the coating
contains at least one compound selected from the group
consisting of fluorinated polymers, fluorormocers, of the
fluorine-containing silanes, of the polymeric fluorocarbon
resins, and of partially fluorinated polymers.~~

SubA47 F1 ~~8. The element according to Claim 1, wherein the coating is
one of a fluorine-containing polymer film and a fluorosilane
coating.~~

9. The element according to Claim 1, wherein the coating has a thickness of about 10 nm to 10 μm .

Sub F1 10. The element according to Claim 1, wherein the coating decomposes, without leaving residues, at temperatures above 300°C.

Sub F1 11. ~~The element according to Claim 1, wherein the element is composed of at least one of silicon, silicon nitride, silicon dioxide, glass, metal, a polymer and a ceramic.~~

Sub B2 F1 12. ~~The element according to Claim 2, wherein the sensor element is integrated in a hot-film air-mass meter.~~

Sub F1 13. ~~The element according to Claim 2, wherein the sensor element is integrated in one of a humidity sensor, a climatic sensor, an air quality sensor, a temperature sensor and an airbag sensor.~~

Sub F1 14. The element according to Claim 1, wherein the coating is applied to inner walls of components.

Sub F1 15. ~~The element according to Claim 1, wherein the coating is applied to inner walls of one of: gas-supply channels and air-supply channels.~~

Sub F1 16. The element according to Claim 1, wherein the coating is applied to inner walls of housing groups surrounding the element.

Sub F1 17. ~~The element according to Claim 1, wherein the coating is firmly adhering and passes a cross hatch test.~~